

Converting Colors

XYZ(21.8936, 20.7401, 56.6146)

Have a look what the booklet for
XYZ(21.8936, 20.7401, 56.6146)
contains.

XYZ(22.0307, 20.8660, 56.8992)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.0307, 20.8660,
56.8992)**

Conversions

Conversions Part 1

Format	Color
Hex	5D7CC7
RGB	93, 124, 199
RGB Percent	36%, 49%, 78%
CMY	0.6353, 0.5137, 0.2196
CMYK	0.53, 0.38, 0.00, 0.22
HSL	222°, 49%, 57%
HSV	222°, 53%, 78%
XYZ	22.0307, 20.8660, 56.8992
YIQ	123.2810, -42.5510, 16.7530

Conversions

Conversions Part 2

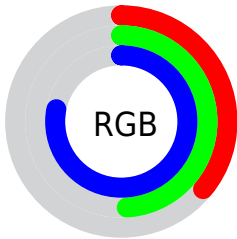
Format	Color
R_{YB}	93, 117, 199
Decimal	6126791
CIE _{Lab}	52.80, 10.58, -42.47
CIE _{LCh}	53, 43.766, 283.983
Yxy	20.8660, 0.2208, 0.2091
Android (android.graphics.Color)	4284316871 (0xFF5D7CC7)
YUV	123.2810, 37.3295, -26.5564
Hunter-Lab	45.6793, 6.1500, -41.8775

Details

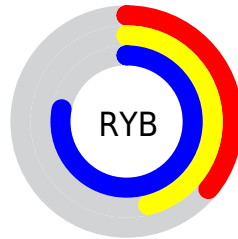
The XYZ color **22.0307, 20.8660, 56.8992** is a dark color, and the websafe version is hex **666699**. The color can be described as middle muted azure. A complement of this color would be **39.5329, 40.9395, 16.1757**, and the grayscale version is **18.8109, 19.7905, 21.5519**.

A 20% lighter version of the original color is **45.9698, 44.6602, 100.8052**, and **8.2604, 7.5045, 27.8012** is the 20% darker color. If you saturate the color by 10%, you get **18.6319, 16.6790, 56.2706**, and if you desaturate by 10%, it is **26.2071, 25.8286, 57.6374**.

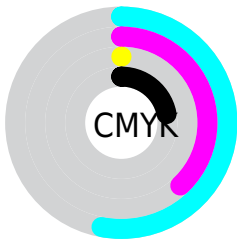
Distribution



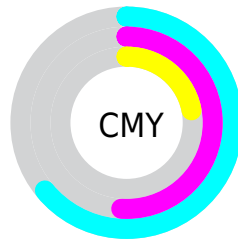
- Red (36%)
- Green (49%)
- Blue (78%)



- Red (36%)
- Yellow (46%)
- Blue (78%)



- Cyan (53%)
- Magenta (38%)
- Yellow (0%)
- Black (22%)



- Cyan (64%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0307, 20.8660, 56.8992 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.0307, 20.8660, 56.8992 by changing the saturation by 10% instead.

■ 22.0307, 20.8660,
56.8992

■ 22.0307, 20.8660,
56.8992

255.3359,
256.5655, 430.5546

■ 13.9962, 13.0261,
40.5155

■ 46.2752, 44.8644,
101.8170

■ 8.1997, 7.4465,
27.6239

■ 63.2159, 61.7917,
131.1881

■ 4.2759, 3.7429,
17.8057

■ 83.8561, 82.5169,
165.7255

■ 1.8594, 1.5308,
10.6426

■ 108.5610,
107.4244, 205.8476

■ 0.5530, 0.3103,
5.7159

137.6961,
136.8987, 251.9731

■ 0.0000, 0.0000,
2.6071

171.6267,

■ 0.0000, 0.0000,

171.3240, 304.5204

0.8961

210.7182,
211.0848, 363.9080

■ 0.0000, 0.0000,
0.0000

■ 22.0307, 20.8660,
56.8992

■ 22.0307, 20.8660,
56.8992

■ 18.6319, 16.6790,
56.2706

■ 26.2071, 25.8286,
57.6374

■ 15.9562, 13.2226,
55.7445

■ 31.2058, 31.6037,
58.4886

■ 13.9451, 10.4503,
55.3154

■ 37.0708, 38.2284,
59.4582

■ 12.5287, 8.3077,
54.9764

■ 43.8422, 45.7366,
60.5505

■ 11.8317, 7.1692,
54.7934

■ 51.5575, 54.1603,
61.7698

■ 60.2519, 63.5300,
63.1201

■ 69.9590, 73.8746,
64.6052

■ 80.7106, 85.2218,
66.2288

■ 85.9611, 94.2080,
67.6866

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.5071, 20.8660, 56.4742



22.0307, 20.8660, 56.8992



26.5763, 20.8660, 46.0421

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.0307, 20.8660, 56.8992



26.8451, 20.8660, 9.3487



12.5335, 20.8660, 16.4634

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.0307, 20.8660, 56.8992



39.5329, 40.9395, 16.1757

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.3385, 20.8660, 9.0038



22.0307, 20.8660, 56.8992



22.3552, 20.8660, 6.1073

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.0307, 20.8660, 56.8992



29.6311, 20.8660, 17.1689



17.7856, 20.8660, 6.0116



12.4742, 20.8660, 29.3535

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.0307, 20.8660, 56.8992



28.8159, 20.8660, 35.6311



17.7856, 20.8660, 6.0116



12.9421, 20.8660, 13.3781

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.0315, 20.8667, 56.8997



73.0720, 76.0103, 105.4279



31.9321, 45.9721, 43.8478



15.1033, 15.6747, 22.4794



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0315, 20.8667, 56.8997



31.7524, 28.1025, 98.3585



21.1898, 15.5444, 55.9168



10.3052, 10.7845, 13.4560



7.6745, 4.7430, 35.2554



0.4272, 0.3522, 1.6906

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.1064, 21.4272, 21.5657



49.7485, 30.7591, 27.9426



40.7142, 51.0791, 18.0706



10.7593, 10.6871, 11.7159



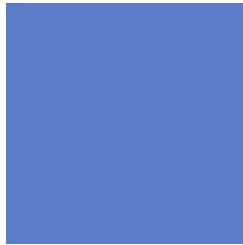
15.6731, 8.0188, 3.4883



0.7743, 0.3926, 0.3348

Previews

White Background



This preview shows how the XYZ color 22.0307, 20.8660, 56.8992 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.0307, 20.8660, 56.8992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

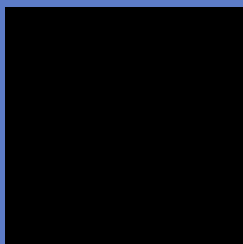
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

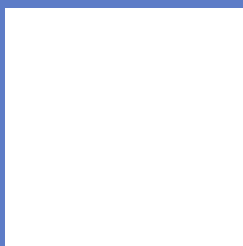
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0307, 20.8660, 56.8992

Background



This preview shows how black text looks on a background with the XYZ color 22.0307, 20.8660, 56.8992.

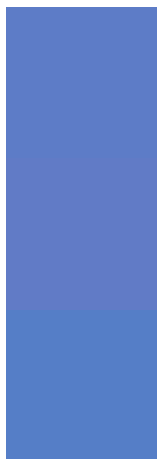


This preview shows how white text looks on a background with the XYZ color 22.0307, 20.8660,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.0307, 20.8660, 56.8992

Protanopia

22.2058, 20.7845, 56.2675

Deuteranopia

21.5160, 20.9765, 56.9477



Tritanopia

16.6763, 20.8591, 30.3414

Trichromacy



Original Color

22.0307, 20.8660, 56.8992

Protanomaly

22.0999, 20.7299, 56.2626

Deuteranomaly

21.6669, 20.8655, 56.9183

Tritanomaly

18.3012, 20.6985, 38.6280

Monochromacy



Original Color

22.0307, 20.8660, 56.8992

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.3510, 19.8450, 32.0887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0307, 20.8660, 56.8992 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(93, 124, 199)` looks like.

```
.text, #text, p{  
    color:rgb(93, 124, 199)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(93, 124, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 124, 199) }
```

Border

The CSS property to change the border of an element to XYZ 22.0307, 20.8660, 56.8992 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 124, 199) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(93, 124, 199) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(93, 124, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 124, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 124, 199);  
box-shadow:4px 4px 4px 4px rgb(93, 124,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0307, 20.8660, 56.8992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 124, 199) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(93, 124,  
199) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor